NUMBERS & ODDITIES

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-::: N&O #61, May 2003 :::-

The conditions were very poor during most of the month. Even the buzzer, normally S5 here was sometimes only just audible.

ENIGMA assigned three new id's and already deleted one of them (M88) because it appeared to be a M03 null message format. Other new ones are XPM of the Polytone family and XFR.

We received only a handful e-mails with tips and info in May and when I look at the logs, I think that the propagation conditions are to blame for the fact that only the strong, often regional, stations were reported.

In the newsletter edition of N&O you will also find an Intelligence Profile about Syria, Intelligence News and the Logs Section.

Enjoy and don't forget to send us your logs and info.

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* VOICE STATIONS *

::: E03 and E04

On request the schedules of the Lincolnshire Poacher and Cherry Ripe.

Lincolnshire Poacher (E03)

Day	UTC	Frequencies			Day	UTC	Frequencies		
Sun	12	16084	15682	14487	Mon	12	16084	15682	14487
	13	16084	15682	14487		13	16084	15682	14487
	14	15682	14487	11545		14	14487	12603	10426
	15	13375	12603	11545		15	15682	13375	11545
	16	11545	10426	8464		16	13375	12603	11545
	17	13375	12603	11545		17	11545	8464	6959

	18	12603	9251	7337		18	12603	9251	7337
	19	11545	9251	6959		19	12603	9251	7337
	20	12603	10426	8464		20	11545	9251	6959
	21	9251	6959	5746		21	11545	9251	7887
	22	8464	6485	5422		22	11545	10426	6959

Day	UTC	Frequencies			Day	UTC	Frequencies		
Tue	12	16084	15682	14487	Wed	12	16084	15682	14487
	13	16084	15682	14487		13	16084	15682	14487
	14	16314	14487	12603		14	20707	19452	18233
	15	10426	8464	7755		15	16084	14487	11545
	16	15682	13375	11545		16	10426	7755	6485
	17	13375	12603	11545		17	16475	14487	12603
	18	9251	6959	5746		18	11545	9251	6959
	19	11545	9251	6959		19	8464	6485	5746
	20	12603	9251	7337		20	11545	9251	6959
	21	12603	9251	7337		21	12603	9251	7337
	22	12603	10426	8464		22	12603	9251	7337

Day	UTC	Frequencies			Day	UTC	Frequencies		
Thu	12	16084	15682	14487	Fri	12	16084	15682	14487
	13	16084	15682	14487		13	16084	15682	14487
	14	16084	15682	14487		14	16084	15682	14487
	15	19452	17417	16084		15	13375	12603	11545
	16	14487	12603	8464		16	16084	14487	12603
	17	8464	6485	5422		17	16084	13375	11545
	18	16475	14487	12603		18	8464	6485	5422
	19	11545	9251	6959		19	15682	13375	11545
	20	11545	9251	6959		20	11545	9251	6959
	21	9251	6959	5746		21	11545	9251	6959
	22	12603	9251	7337		22	9251	6959	5746

Day	UTC	Frequencies		
Sat	12	16084	15682	14487
	13	16084	15682	14487
	14	14487	11545	10426
	15	13375	12603	11545
	16	13375	12603	11545
	17	15682	13375	11545
	18	16084	13375	11545
	19	8464	6485	5422
	20	11545	10426	6900
	21	11545	9251	6959
	22	11545	9251	6959

Cherry Ripe:

UTC	Frequencies
1000	20474 // 23461 kHz
1100	18864 // 23461 kHz
1200	18864 // 23461 kHz
1300	18864 // 21866 kHz
1400	18864 // 20707 kHz
2200	18864 // 24644 kHz
2300	18864 // 21866 kHz
0000	18864 // 21866 kHz
0100	19884 // 21866 kHz

Al and Tomonori compiled the id's of LP and CR. Thanks guys!

Lincolnshire Poacher E03
IDs as of May 1st, 2003

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1200	06280	06280	06280	06280	06280	06280	06280
1300	31209	31209	31209	31209	31209	31209	31209
1400	89007	00780	82054	84958	06280	17347	96678
1500	96678	89007	00780	82054	84958	06280	68414
1600	68414	96678	89007	00780	82054	84958	17347
1700	17347	68414	96678	89007	00780	82054	06280
1800	06280	17347	68414	96678	89007	00780	84958
1900	84958	31209	17347	31209	96678	89007	31209
2000	31209	06280	31209	68414	31209	96678	82054
2100	82054	84958	06280	17347	68414	31209	00780
2200	00780	82054	84958	06280	17347	68414	89007

Lincolnshire Poacher E03
IDs as of May 15th, 2003

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1200	25837	25837	25837	25837	25837	25837	25837
1300	30202	30202	30202	30202	30202	30202	30202
1400	21858	14241	45394	30775	25837	17303	96238
1500	96238	21858	14241	45394	30775	25837	49935
1600	49935	96238	21858	14241	45394	30775	17303
1700	17303	49935	96238	21858	14241	45394	25837
1800	25837	17303	49935	96238	21858	14241	30775
1900	30775	30202	17303	30202	96238	21858	30202
2000	30202	25837	30202	49935	30202	96238	45394
2100	45394	30775	25837	17303	49935	30202	14241
2200	14241	45394	30775	25837	17303	49935	21858

Cherry Ripe E04
IDs as of May 9th, 2003

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		08069	37723	71986	49788	02440	0000
0100		37723	71986	49788	02440	87410	0100
1000		71986	49788	02440		50222	1000
1100		49788	02440	87410	50222	71986	1100
1200		02440	87410	50222	71986	08069	1200
1300		87410	50222	71986	08069	37723	1300
2200	50222	71986	08069	37723	71986		2200
2300	71986	08069	37723	71986	49788		2300

Cherry Ripe E04
IDs as of May 16th, 2003

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		08069	37723	71986	90541	90541	0000
0100		37723	71986	49788	28263	28263	0100
1000		71986	49788	02440	79516	79516	1000
1100		49788	02440	87410	20593	20593	1100
1200		02440	87410	50222	64893	64893	1200
1300		87410	50222	71986	53012	53012	1300
2200	50222	71986	08069	20593	20593		2200
2300	71986	08069	37723	19577	19577		2300

Cherry Ripe E04
IDs as of May 23rd, 2003

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
0000		64893	53012	20593	19577	90541	0000
0100		53012	20593	19577	90541	28263	0100
1000		20593	19577	90541	28263	79516	1000
1100		19577	90541	28263	79516	20593	1100
1200		90541	28263	79516	20593	64893	1200
1300		28263	79516	20593	64893	53012	1300
2200	79516	20593	64893	53012	20593		2200
2300	20593	64893	53012	20593	19577		2300

<<<<<>>>>>

::: E10

Was it really an extremely quiet month, or did you guys forget to report your findings? I heard two "1" messages myself and "FDUM" was copied by Richard, but that is all.

4560//5820 kHz, 1900 UTC, 09 May: YHF1
3150//4270 kHz, 1930 UTC, 26 May: PCD1
4418 kHz, 2215 UTC, 28 May: FDUM

Bob Swartz and JMM attempted to figure out what the story is behind the repeat messages. How often do they occur and when? They need a lot of detailed logs for further investigation and it would be nice if you could help them out so that we can look forward to the next N&O with new results.

<<<<<>>>>>

Bob Swartz (robert.k.swartz@lmco.com) has been browsing thru his E10 logs looking for repeat sequences and tells us what he found.

> "On 27 September 2002 the following was noted:
> At 0225z on 5170 kHz a message was in progress, the repeat of text identified the message as 41/IZDKQ. The message ended with the standard end of message, end of transmission and VLB began to call.
>
> At 0230 on 4360 kHz, CIO was calling and started sending message 41/TQNPA. This was repeated and ended with the standard closing.
>
> At 0245z, CIO was calling on 4360 kHz and VLB was calling on 5170 kHz. VLB then began to repeat its previous message. A check of 4360 kHz showed that CIO was now repeating its message.
>
> Interesting that both messages contained the same group count. Apparently, the station were repeating the sequence on a 15 minute interval. The message being sent and repeated and then the station calling until the xx00, xx15, xx30, xx45 time comes up. I wonder if this could be recorded and tested in the future to see if it is a standard procedure."

In a later e-mail, Bob says:

> "I have been doing some monitoring of the E10 family and would like to share some stuff with you all.
>
> 1. There appears to be some daily repeats of messages.
>   ART repeats the same message at 0100z, 0200z, and 2200z.
>   EZI repeats at 2000z and 2200z and at 0130z and 2130z.
>   It is really difficult for me to get on my receiver between 2000z and 2200z. Is anyone interested in covering those skeds?
>
> 2. Strange activity on 5435 kHz at 0200z, normally an rf for ART
>   17 April, ULX and ART calling together on 5435 kHz. After sorting it out, ULX stopped. ART noted sending 93/XTFFU msg on 5435 kHz and ULX sending msg on 5880 kHz.
>   29 April, ULX only on 5435 kHz, sent 20/JLFST msg. Not active on

4880 kHz. ART not heard.
30 Apr ART calling on 5435kHz, then into message. ULX on 4880 kHz sending 79/MANGP message.
1 May ULX calling on 5435. ART not heard.

Anyone have anything else to contribute? Before anyone asks, no, I DO NOT have any recordings of any of this activity. Sorry.

3. We do get some long running messages on E10 on occasion. That is, the same message is repeated at the same time every day (or at least it is there every time we look at it). Currently the longest one that I have observed is from EZI on the 2330z sked. Message 79/LRYYX was first heard 1 April 2003, observed last night 1 May. Not the longest runner, but the longest we have as of right now.

I would appreciate any responses, additional information on E10. Don't forget to send your logs in to the data base."

In response to Bob's report, JMM did some mumbo jumbo with the logs in the database and came up with the following:

"Now, time for some SQL wizardry with 'GROUP BY' tricks:
My DB has some 47722 logs, 16703 of them are E10 likes. It is mainly drawn from Smolinski's DB but with some extra correction (logs expressed in MHz removed when not able to correct them, typos corrected when noticed on time and asked to original submitters, logs in the future of their date of submitting due to confusion in date formats, etc...)

If I take apart logs the comments of which contains the following strings 'CIO2', 'MIW2', 'KPA2', 'SYN2', 'VLB2', there are 10838 records remaining mainly composed of regular H+00 and H+30 transmissions plus the E10As.

After having put all logs starting between H+01 and H+29 to H+00 and those starting between H+31 and H+19 to H+30, I grouped the comments and the resulting starting times

This gives 5203 distinct couples. I then do a selection retrieving record with identical comments and different starting times, and manually browse the results. Bingo!

ART 33 HRQZD 2230
ART 33 HRQZD 2330
ART 74 XIRGQ 0200
ART 74 XIRGQ 2200
ART 90 KXQRR 2030
ART 90 KXQRR 2130

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ART 93 FAVWZ       0100
ART 93 FAVWZ       0200
ART 95 LGHJU       0200
ART 95 LGHJU       2200

EZI 149 NDKZK      0130
EZI 149 NDKZK      2130
EZI 29 JKZLO       1730
EZI 29 JKZLO       1800
EZI 69 LXNIY       2000
EZI 69 LXNIY       2200
EZI 74 OBFBC/6840  0230
EZI 74 OBFBC/6840  0330
EZI 74 OBFBC/9130  0230
EZI 74 OBFBC/9130  0330
EZI 84 JECAT       2000
EZI 84 JECAT       2200
EZI 89 JCOVQ       1400
EZI 89 JCOVQ       1530

JSR 64 CLXXC       2100
JSR 64 CLXXC       2130

ULX 64 ITDBP       0100
ULX 64 ITDBP       0130
ULX 74 NUVGG       0230
ULX 74 NUVGG       1800
ULX 91 LWWVU       0000
ULX 91 LWWVU       0230
ULX 91 YTSWF       0230
ULX 91 YTSWF       1800

YHF (36)SGDNM      0200
YHF (36)SGDNM      0230
YHF (45) KJKJM     0200
YHF (45) KJKJM     0230
YHF (55) RQBRG     0200
YHF (55) RQBRG     0230
YHF (76)FZZMY      0200
YHF (76)FZZMY      0230
YHF 50 NLMTI       2100
YHF 50 NLMTI       2300
YHF 58 XWWRP       2100
YHF 58 XWWRP       2300
YHF 72 VUYDS       2100
YHF 72 VUYDS       2300
YHF 73 SHTSB       2100
YHF 73 SHTSB       2300
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YHF 89 YSCGB 2130
YHF 89 YSCGB 2200
YHF 9 BYVRC 0130
YHF 9 BYVRC 0230

So, as we can see, there are many apparent repeats. I say 'apparent' because this approach suffers some flaws.

- It relies on a consistent type of commenting a log
  For instance :
  One log by monitor A at 1230z 'EZI 62 ZAGXS' and the same
  tx at 1800 but with 'EZI 62 ZAGXS weak' will not be detected

- It is not exempt from input flaws; although it could be easy to
  determine with the number of occurrences from the original table.

Ok, so far so good. The existence of repeats has been verified. An we already have some leads to check.

For instance: "Are these repeats consistent over a long time, or do they appear for some time and then vanish? In the latter case, are repeats more frequents when there are string msgs?"

A more thorough analysis is needed. Maybe I will publish a fully detailed study on that topic if interest is shown."

Re Bob's questions in paragraph 3, JMM remarks: "From the top of my head, the longest ever running msg I can remember was 68 FSTYL on YHF. First log by John Maky, 2000-01-13 0230 7918 (id=18721). Last log by Gallus Galus, 2000-03-07 0230 7918 (id=21292). So it ran for at least 55 days. The previous log for YHF at this time slot with a different msg is from 1999-12-30 (id=18283), the following one dates from 2000-03-21. So, 68 FSTYL possibly ran from 1999-12-31 to 2000-03-20, i.e. for 80 days."

<<<<<>>>>>

::: G01

While doing some research about Espionage during the Cold War, I stumbled over an interesting note about the French Service de Documentation ExtÈrieur et de Contre-Espionnage (SDECE).

The note says: "Other French clandestine radio stations run by the SDECE were sending personal coded messages to underground agents on the other side of the Iron Curtain. One such SDECE unit broadcast Tyrolian music on 6425 kHz between 1130 and 1140 AM from the Chartres region, but it ceased its activities in 1975 after an article was

published in a French magazine specializing in radio matters, called Interferences"

The article concerned was published in the Autumn 1975 issue of the French magazine "Interferences". As far as I know the magazine does not exist anymore. It goes without saying that I am very interested in this article, so.... if anyone got a copy, please let me know.

I never believed the story that Radio Northsea International was involved in this "Tyrolian" station and this article supports my idea. Let's see if we can find more info.

-0-0-0-0-0-0-0-0-0-0-

* MORSE STATIONS *

::: MX

During the past month the activity of cluster beacons "C", "D" and "S" continued on the well known frequencies. In addition to these stations the following markers were heard:

3336.2 "L", St Petersburg
3658 "V", Khiva
4325 "R", Izhevsk
5465.8 "R", Izhevsk
5467.4 "R", Izhevsk

<<<<<>>>>>

::: M13

M13 is a daily guest which I cannot hear often enough because its transmitting times are not in line with my listening times :-(

Two samples:

M13, 6 May, 2000 UTC, 11307 kHz.

517 517 517 517 517 517 517 517 517 517 517 517 517 517 517 =
229 2t =
16782 51193 59885 63715 47tt5 32817 46652 t5951 44164 63516
52962 36875 27565 36669 47288 15963 27287 33117 15661 28675 =
517 517 517 517 517 517 517 517 517 517 517 =
229 2t=
16782 51193 59885 63715 47tt5 32817 46652 t5951 44164 63516
52962 36875 27565 36669 47288 15963 27287 33117 15661 28675 =

ttt

M13, 6 May, 2000 UTC, 8933 kHz.

Test tones at 2039; "MMV = = =" at 2048 and message at 2000 UTC.

272 272 272 272 272 272 272 272 272 272 272 272 272 272 272 =
268 21 =
389t1 23752 47196 51591 53948 546t7 t5161 41191 57423 4t866
18122 185t7 35215 31623 23885 t1994 t28t1 12968 t6873 45tt9 45438 =
272 272 272 272 272 272 272 272 272 272 272 272 =
268 21 =
389t1 23752 47196 51591 53948 546t7 t5161 41191 57423 4t866
18122 185t7 35215 31623 23885 t1994 t28t1 12968 t6873 45tt9 45438 =
ttt

<<<<<>>>>>

::: M14

Eddie heard M14a on 6876 kHz at 1830 UTC continuously sending 203;
then into two messages 867 867 2 2 = 11111 11111 00023 00023 =
867 867 2 2 then went back to 203 which he sent twice.

The 2nd message was: 816 816 57 57 = (57 five fig groups, groups sent
twice) = = 816 816 57 57 00000 (or TTTTT).

It used short 0's in traffic. Machine sent morse

<<<<<>>>>>

::: M41

I am looking for a sample message from the old M41 (WDZ). Who can help
me? -Ary-

<<<<<>>>>>

::: M87

Igor is about the only one who is hearing M87. Keep those logs coming,
Igor!

15883//7940 kHz, 0000 UTC, 19 May

   684 684 684 684 684 684 684 684 000
   684 684 684 684 684 684 000

684 684 684 684 684 684 684 684 684 684 684 684 684 000
684 684 684 684 684 684 684 000
684 684 684 684 684 684 684 684 684 000 000

8855 kHz, 0123 UTC, 25 May

in progress
= = 333 333
= = 205 205 52 52 = =
au6a4 4a634 da53u t3t65 45ta5 5d75a 7nd5a tn3a6 63466 u34u6
tad5n t4t7t 343t4 at665 366na 5dnn7 366t5 3754n 67646 ud6tt
un3u3 duttn nnta3 47u65 nu67u 6ntdt 4dut6 d6da6 tan35 n6ann
35u7t 63nu7 a6353 a3d64 3du77 tdna7 7dnu7 55a33 anaut dtt4a
td4ua n457t n555d 3a3dn dda57 5t6a6 63546 t5da7 an4td atd44
n6uud td4a3
= = 206 206 52 52 = =
4446n nddd5 n43tn u3756 5na53 d4udt n537d 5n57a t7ua3 446t7
an5t4 4a4a3 767nt 77d4a a6455 du767 dt756 3nn4n 5n347 t33un
uua53 56a54 d546d dtu7t 43tuu 7t6a5 a5733 a47d7 63d36 udtnd
du47a 46563 unn76 45u5d nnad6 t5776 6465t 3ddau d675n 6ud3t
nu66u ud473 63664 d46td 44775 duta6 7dat6 445t5 uutuu 6and6
tnnt7 u7tt4
= = 000 000 ttt

7583 kHz, 1535 UTC, 25 May
in progress
3t4nt ut7ut 6a3t4 35t75 nn6nt 5tuu5 6t65a tdn44 ua7tt u7dad
7du34 a65ta t4n56 nu7uu t4nda t47d4 476du 43na4 6d5da uu4ad
3d347 7u6nt u5t4u 3ntnn ttd46 57344 d7tn5 du3n4
= = 000 000 ttt

10517 kHz, 2305 UTC, 15 May

651 651 651 651 651 651 651 000
651 651 651 651 651 651 000

<<<<<>>>>>

::: M88

M88 was a new ENIGMA designator that appeared to be a M03 null message
and the designator is therefore deleted again.

-0-0-0-0-0-0-0-0-0-0-

* OTHER MODES *

::: VARIOUS

S28 - the Buzzer buzzing the night away on 4625 kHz.
S30 - the Pip on 3756 kHz.
XSW - the Squeaky Wheel channel marker daily on 3828.9 kHz.
XSL - the Slot Machine on 6417, 6445, 8313.5, 8703.5 kHz.
XM - Backward music on 5435 and 6542 kHz.

<<<<<>>>>>

::: X06 / M42

Not much to report. The mazielka calls were heard on 8086 kHz on 19 May at 2007 UTC; on 6870 kHz on 9 May at 2145 UTC; and on 7682 kHz on 13 May at 1918 UTC. The latter was followed by a CW call to something like "TID" and traffic in MFSK.

10479 carried a M42 transmission from Dep. of State Comms Moscow with a message on link 00098, 1722 UTC on 29 May and on 14882 kHz Dep. of State Comms transmitted at 0730 UTC on 31 May msgs to "DKR" on link 70060.

A Russian intel regional relay was heard on 9073 kHz at 1605 UTC on 31 May. Msg to "162".

<<<<<>>>>>

::: S30 (ex-XT)

Rimantas checks in with the full schedules of "the Pip" from December 2002 - May 2003. MSK = Moscow Time (UTC+3h in Winter, +4h in Summer). Thanks for the note, Rimantas.

3756 kHz:

  From 1st Sunday of March 1900-0730 MSK
  From 1st Sunday of May 2030-0600 MSK
  From 1st Sunday of September 1900-0730 MSK
  From 1st Sunday of December 1700-0830 MSK

5448 kHz:

  From 1st Sunday of March 0730-1900 MSK
  From 1st Sunday of May 0600-2030 MSK
  From 1st Sunday of September 0730-1900 MSK
  From 1st Sunday of December 0830-1700 MSK

<<<<<>>>>>

::: XPM

XPM is another new ENIGMA designator and is a sister of XP/XPH. I read in the ENIGMA newsletter that the main difference between the various XP variants is that...

   XP uses 14 tones
   XPH uses 13 tones
   XPM uses 18 tones, which are: 450, 488, 531, 568, 611, 649*, 692, 730, 773*, 811*, 854*, 891, 934, 972, 1015, 1058*, 1096* and 1177*. (*used on long tones).

<<<<<>>>>>

::: XPR

The third new ENIGMA designator is XFR, a.k.a. the "Croaking Frog", a NATO over-the-horizon-radar, heard on various frequencies and times; amongst others on 7380, 7992, 10825, 10955, 13975, 14424, 18864 and 23000 kHz.

<<<<<>>>>>

::: JAMMERS

During the past few months the infamous Chinese music jammers have been noted on the following frequencies:

 6035, 7105, 7150, 7160, 7190, 7310, 7395, 7465, 7470, 7515,
 7530, 7540, 9350, 9350, 9355, 9370, 9455, 9510, 9540, 9545,
 9555, 9580, 9605, 9650, 9680, 9750, 9850, 9905, 9910, 9915,
 9955, 9965, 11510, 11520, 11590, 11700, 11715, 11740, 11750, 11765,
11780, 11785, 11795, 11805, 11830, 11855, 11895, 11935, 11945, 11955,
11965, 11975, 11990, 11995, 12010, 12025, 12040, 12065, 13625, 13670,
13675, 13680, 13690, 13720, 13740, 13760, 13775, 13800, 13835, 15150,
15160, 15195, 15225, 15230, 15265, 15280, 15285, 15320, 15395, 15430,
15465, 15510, 15515, 15665, 15680, 15695, 15795, 17495, 17525, 17540,
17560, 17615, 17640, 17685, 17720, 17730, 17765, 17770, 17785, 17855,
17880, 21500, 21540, 21560, 21690, 21705 kHz

Other jammers reported this month are the usual bunch from Iran and Iraq in the 7 MHz band. Cuba jammed: 6040 and 9295 kHz, while Saudi Arabia reportedly jammed 15705 kHz.

-0-0-0-0-0-0-0-0-0-0-

* UNID STATIONS *

This month's "Weird Station Award" goes to Igor for his log of an unid Chinese station that he copied on 23 May at 0101 UTC on 9962 kHz. It transmitted morse by voice. Look for a sample on the N&O website.

The text that Igor captured was "FNGP2 / IX 1 = KT 1 TB / MCD7". Later it sent Chinese figures "16 18 18 011 011 19 70 70..."

<<<<<>>>>>

Another unid from Igor transmitted a marker only on 9108 kHz at 1354 UTC on 15 May; "vvv vvv vvv de 723 723 723 as e"

<<<<<>>>>>

The third unid, also from Igor, continuously sent a "2" in very slow morse on 10140 kHz at 0841 UTC on 15 May.

<<<<<>>>>>

One of our correspondents in Japan found an odd Chinese? station. He caught the end of a transmission of Chinese sounding station that transmitted numbers on 8621 kHz LSB at 1210 UTC. The broadcast probably began at 1200. The station was sending 3FGs traffic.
What was interesting was that at the end the YL switched to 5FGs and English, identifying with 66758 (repeated 3 or 4 times).

That is new to me. Ideas anyone?

-0-0-0-0-0-0-0-0-0-0-

* MILITARY STATIONS *

The military section was compiled from logs provided by Fritz, Jim, Maciej, Andy and a couple of my own findings.

::: CZECH MILITARY

The Czech networks on 2362 and 4455 kHz were again very active this month. For details see last month's N&O.

Fritz has been monitoring another Czech net that is probably related to the "CH8N/S8BD" network.

Operational notes:
The station is of interest, because it uses same NCG as the Czech network S8BD. Their purpose or command must be related.
- Telegrams are sent in the mornings. Addressees are W6QZ, TXMW, NPFP.
- Time is CET (CEST).

- Traffic load changes, up to 20 messages/day of 5LG or 5FG, repeated.
- There is no nighttime frequency.
- Message counter resets in the morning.
- Group count is always 50.
- Switch off after sending one trigram.

Freq.	Callsigns	Remarks
5330	KVF2	Marker W6QZ. Daily ?? from 11.3 until 20.3
4800	DRMB	Marker NPFP. Daily +/-0615 UTC from 1.4 until 10.4
4900	KVF2	Marker W6QZ. Daily 0600-1000 UTC from 11.4 until 20.4
5330		sometimes // to 4900

Examples:

Freq.	Date	UTC	Details
5330	12.3	0605	W6QZ de KVF2 QTC 1 50 12 0805 = 743 W6QZ = 5LG = KVF2 +
4800	7.4	0626	NPFP de DRMB QTC 1 50 7 0826 = 413 NPFP = 5LG = DRMB +
4800	7.4	0653	NPFP de DRMB QTC 2 50 7 0853 = 413 NPFP = 5FG = DRMB +
4800	7.4	0713	NPFP de DRMB QTC 3 50 7 0912 = 413 NPFP = 5LG = DRMB +
	now take a look at S8BD:		
4929	7.4	0622	C6CP de S8BD QTC 28 20 7 0822 = 413 C6CP = 5LG = S8BD +
4800	9.4	2020	TXMW de DRMB QWX 3
4900	11.4	0821	W6QZ de KVF2 QTC 3 50 11 1021 = 136 W6QZ =5Lg = KVF2 +
4900	14.4	1000	W6QZ de KVF2 445 col 445 + (transmitter switches off)
4900	15.4	0918	W6QZ de KVF2 QTC 7 50 15 1117 = 479 W6QZ = txt

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::: SLOVAK MILITARY

3485 kHz is still occupied by the Slovak station from Zilina sending strings like: B3ET B3ET B3ET = RNJ5 RNJ5 RNJ5 +

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::: RUSSIAN / CIS MILITARY

Frequency	QSX	Callsigns
3216		X6KM
3261		9UJG, VMSH
3835		3I7E
3889		7S8Q, LGAZ, 8BKA, MCCF, L5VJ
3890		UWS3 (//4189)
4189		UWS3 (//3890)

4286		NQVK, 1P3M, 7VY9, BY7Q
4456		HN1O, FVSL, WD5V, YAP7, 6MZL
4467	5874	5GZM, FCHS, JEF7, HDXS, DD4T, J2JR, OLAP, LWHR, CQQE, LZVB, IDKU
6767	5886	2TMI, CUKX, BI6B, 5PCC, DGIL, SK2S, 6UDZ
6807.5		9SNQ
9913		YFO5, ECLV, QZZ6
10987	9989	GNZM, SSB5, JKY3, A7KL, CLGY

03889

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::: POLISH MILITARY

Freq.	QSX	Callsigns / remarks	Mode
3247		Sea42?: unid Polish mil wkg Lech34, Taloryt70. Calls are tentative because of the poor audio quality.	USB
4323		unid polish military	USB
4909		3ZN28: Polish Navy, Gdynia? clg the Polish minesweeper SQWD: ORP "MEWA"	USB
5112		3ZN28 (Polish navy Gdynia?) wkg SQWD: ORP "MEWA"	USB
5771		EAGLE [ALT]: unid polish military net wkg SNAKE [41BDE], LUNAR [1ZBDE] and CANON [6BDE]	USB/ALE
5892		"NADZORCA": unid polish military net wkg OMs "SETNIK", "TYBER", "WARS", "WERANDA"	USB/ALE
6856		SNWZ: "Kontradmiral Xawery Czernicki", Gulf Area? wkg LCR154	USB
7629	7859	unid polish military	USB
7859	7629	LCR154, SOG933 unid polish military, Balkans. MARS-like comms	USB
7872		LCR154: Polish Military, Warsaw HQ? wkg ATV036	USB/ALE
7937		unid polish military	USB
10239		SOG933: Polish Military, Balkans clg LCR154, Polish Military HQ, Warsaw	ALE
11109		unid polish military, Kosovo? MARS-like comms	USB
14824		Polish military LCR155, LCR154, ATV036	USB/ALE
14682		3ZN28: Polish Navy, Gdynia wkg SNWZ: ORP "Kontradmiral Xawery Czernicki", Gulf Area	USB

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* INTELLIGENCE NEWS *

::: China

"April 23:
Two former Russian military pilots are being accused of "high treason

in the form of espionage" for China by the Federal Security Service, reports StrategyPage.com, a military affairs news source.
The pilots illegally acquired spare military equipment parts and secret information on Russian aviation equipment with a plan to sell to Chinese buyers. The Russian Far East, between Manchuria in the west and the Sea of Japan in the east, is considered a hotbed of Chinese espionage, where Chinese agents have regularly been discovered."
(Source: China Reform Monitor No. 494, May 2, 2003)

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::: Norway / Russia

"NORWEGIAN RADAR WORRIES MOSCOW. Russian Deputy Foreign Minister Vladimir Chizhov told a hearing at the Federation Council, the upper house of the Russian parliament, that Russia is worried by the fact that Norway has a radar station, Globus 2, capable of controlling a territory of 35,000 kilometers. The radar station is meant to help NATO control Russian territory, Chizhov told the hearing, but added that "Norway keeps insisting that the purpose of the station is space control." Chizhov also criticized Finland for trying to "expand its influence in the boundaries of northern Europe and abandoning its policy of neutrality. Sweden might soon assume the same position," he remarked. (Source: Novosti Press Agency, via LC)

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::: Russia / USA

An US submarine was discovered by the Russian navy while it was on an observation mission in Russian waters, near Kamchatskiy, during an exercise of the Russian Pacific fleet in April. Fighter planes escorted the vessel to international waters. (Source: AFP)

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* INTELLIGENCE PROFILE: SYRIA *

Background:

Following the breakup of the Ottoman Empire during World War I, Syria was administered by the French until independence in 1946. In the 1967 Arab-Israeli War, Syria lost the Golan Heights to Israel. Since 1976, Syrian troops have been stationed in Lebanon, ostensibly in a peacekeeping capacity. In recent years, Syria and Israel have held occasional peace talks over the return of the Golan Heights.

General:

Country name	Al Jumhuriyah al Arabiyah as Suriyah (Syrian Arab Republic)
Short name	Suriyah / Syria
Capital	Damascus
Administration	Syria has 14 provinces: Al Hasakah, Al Ladhiqiyah, Al Qunaytirah, Ar Raqqah, As Suwayda', Dar'a, Dayr az Zawr, Dimashq, Halab, Hamah, Hims, Idlib, Rif Dimashq, Tartus

Military branches:

Syrian Arab Army, Syrian Arab Navy, Syrian Arab Air Force (includes Air Defense Forces), Police and Security Force

Intelligence agencies:

Idarat al-Amn al-'Amm
Idarat al-Amn al-Siyasi
Shu'bat al-Mukhabarat al-'Askariyya
Idarat al-Mukhabarat al-Jawiyya

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::: INTELLIGENCE AGENCIES

All Syrian intelligence services are under direct control of the president. The agencies have overlapping functions so that Syria is not dependent on any one of them.

* Idarat al-Amn al-Siyasi
  Political Security Directorate

This organisation is responsible for detecting signs of organized political activity against the regime. This involves surveillance of suspected political dissidents, as well as the activities of foreigners in Syria. The agency also monitors all print and audiovisual media.

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* Idarat al-Amn al-'Amm
  General Intelligence Directorate

This Directorate is the main civilian intelligence service in Syria. It is divided into three branches;
- The internal security division is responsible for internal surveillance of the population in general;

- The external security division;
- The Palestine division, which monitors the activities of Palestinian groups in Syria and Lebanon.

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* Shu'bat al-Mukhabarat al-'Askariyya
  Military Intelligence Service

Syria's military intelligence service, headquartered at the Defense Ministry complex in Damascus, is formally responsible for the usual range of military surveillance operations, planning, etc. that one would expect. In addition, it is responsible for providing military and logistical support to Palestinian, Lebanese, and Turkish extremist groups, monitoring (and often assassinating) political dissidents abroad, and coordinating the activities of Syrian and Lebanese military forces stationed in Lebanon.

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* Idarat al-Mukhabarat al-Jawiyya
  Air Force Intelligence Directorate

Despite its name, this intelligence service is not primarily concerned with providing information to the air force. It's evolution into Syria's most secretive and fearsome intelligence service has a great deal to do with the fact that Hafez Assad was once commander of Syria's air force. After he assumed power in 1970, Assad turned to this intelligence service, dominated by men that he knew well (and in most cases had appointed himself), to undertake sensitive domestic and international operations.

On the domestic level, Syrian air force intelligence has frequently spearheaded operations against Islamist opposition elements in the country. It played a leading role in the regime's suppression of Muslim Brotherhood revolt during the 1970's and early 1980's. More recently, air force intelligence agents reportedly led the nationwide manhunt for members of the Islamic Liberation Party (Hizb al-Tahrir) in Dec. 1999.

The Directorate has also been central to the regime's sponsorship of international terrorism. It's agents, frequently stationed abroad in Syrian embassies and in branch offices of Syria's national airline, have directly coordinated dozens of terrorist operations.

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* The Interior Ministry

In December 2001 Interior Minister Harba was replaced by Hammoud, the former head of Syrian military intelligence in west Beirut. When this happened well-placed sources in Damascus said that Hammoud will assume some of the responsibilities previously carried out by various security agencies. I couldn't find further info about this.

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Sources:
CIA World Factbook
Middle East Intelligence Bulletin (http://www.meib.org)
Federation of American Scientists (http://www.fas.org)

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* LOGS SECTION *

2626	E10	FTJ2 USB 16-05-03 Fri 2300 (GG)
2626	E10	FTJ 32 ?RKJW USB 16-05-03 Fri 2330 (GG)
2626	E10	YHF 41 ?ZNFQ USB 24-05-03 Sat 2130 (GG)
2800	M22	4XZ Israeli Navy Haifa vvv marker CW 30-04-03 1851
3025	M08a	ID 24841 07171 48333 CW 20-05-03 Tue 1000 (MS)
3025	M08a	ID 09011 28063 84735 CW 29-05-03 Thu 1000 (MS)
3150	E10	PCD 2 msgs: 87 GXBHQ/39 RCJAS USB 16-05-03 Fri 2200 (GG)
3150	E10	PCD2 USB 16-05-03 Fri 2300 (GG)
3150	E10	PCD 2 msgs: 11 ASKUV/59 XBYYB USB 16-05-03 Fri 2330 (GG)
3150	E10	PCD 15 ZLPRA USB 19-05-03 Mon 2130 (GG)
3150	E10	PCD2 USB 19-05-03 Mon 2300 (GG)
3150	E10	PCD 15 ZLP?A USB 24-05-03 Sat 2130 (GG)
3150	E10	PCD 1 AM 26-05-03 Mon 1930 (AB)
3150	E10	PCD2 AM 28-05-03 (MI)
3244	M08a	ID 01061 01071 93671 (very weak signal) CW 31-05-03 Sat 1000 (MS)
3270	E10	Israeli Intel, KPA2 USB 04-05-03 2318 (PPs)
3336.2	MX	Channel marker "L", St Petersburg CW 02-05-03 Fri 2113
3336.2	MX	Channel marker "L", St Petersburg CW 16-05-03 Fri 2120
3360	E10	CIO2 AM 16-05-03 Fri 2045 (AB)
3360	E10	CIO2//4165, 5230 USB 21-05-03 Wed 0145 (BS4)
3361	E10	Israeli Intel, CIO2 AM 29-04-03 2348 (PPs)
3415	E10	ART 67 ZHRLO USB 16-05-03 Fri 2230 (GG)
3415	E10	ART 57 HNDQL USB 16-05-03 Fri 2300 (GG)
3415	E10	ART 113 VQYUF USB 16-05-03 Fri 2330 (GG)
3415	E10	ART 39 TIBQD USB 22-05-03 Thu 2130 (GG)
3557	E10	MIW2 AM 28-05-03 (MI)
3640	E10	SYN2 AM 16-05-03 Fri 2045 (AB)

3640	E10	SYN2 USB 16-05-03 Fri 2245 (GG)
3640	E10	SYN2 USB 16-05-03 Fri 2345 (GG)
3640	E10	SYN2//6912 USB 21-05-03 Wed 0145 (BS4)
3640	E10	SYN2 USB 22-05-03 Thu 2145 (GG)
3640	E10	SYN2 USB 22-05-03 Thu 2145 (GG)
3640	E10	SYN2 USB 24-05-03 Sat 2145 (GG)
3658	MX	Channel marker "V", Khiva CW 02-05-03 Fri 2114 (AB)
3756	S30	Pip CW 03-05-03 Sat 2127 (AB)
3756	S30	Pip CW 16-05-03 Fri 2103 (AB)
3808	M10	555 373 31 883 20 373 94 31 ==56948 CW 24-05-03 0400 (PB)
3828.9	XSW	Squeaky Wheel channel marker 02-05-03 Fri 2111 (AB)
3840	E10	YHF 82 KPCNQ USB 16-05-03 Fri 2200 (GG)
3840	E10	YHF2 USB 16-05-03 Fri 2300 (GG)
3926	M08a	(already in progress - missed callups) CW 23-05-03 Fri 1000 (MS)
4015	E10	Israeli Intel, VLB2 USB 29-04-03 2350 (PPs)
4015	E10	VLB2//5170, 6370 USB 15-05-03 Thu 0145 (BS4)
4015	E10	VLB2 AM 16-05-03 Fri 2045 (AB)
4015	E10	VLB2 USB 16-05-03 Fri 2245 (GG)
4015	E10	VLB2 USB 16-05-03 Fri 2345 (GG)
4015	E10	VLB2 USB 19-05-03 Mon 2245 (GG)
4015	E10	VLB2//5170, 6370 USB 21-05-03 Wed 0145 (BS4)
4015	E10	VLB2 USB 24-05-03 Sat 2145 (GG)
4017	V02a	Barely detectable AM 06-05-03 Tue 0336 (GH)
4027.5	M08a	In progress, unreadable AM 06-05-03 Tue 0328 (GH)
4029	M08a	In prog; HAM? QRM CW 13-05-03 Tue 0301 (BM)
4031	M10	555x3 571x3 35 275x3 22 049x3 34 435x3 31 555x3 571x3 45x2 35x2 15809 etc CW 12-05-03 1630 (RiN)
4165	E10	CIO2//5230 USB 15-05-03 Thu 0145 (BS4)
4165	E10	CIO2 AM 16-05-03 Fri 2045 (AB)
4165	E10	CIO2 USB 16-05-03 Fri 2245 (GG)
4165	E10	CIO2 USB 16-05-03 Fri 2345 (GG)
4165	E10	CIO2 USB 19-05-03 Mon 2245 (GG)
4165	E10	CIO2 AM 20-05-03 Tue 0246 (GH)
4165	E10	CIO2//3360, 5230 USB 21-05-03 Wed 0145 (BS4)
4165	E10	CIO2 USB 24-05-03 Sat 2145 (GG)
4241	M22	4XZ Israeli Navy Haifa vvv marker CW 06-05-03 1847
42697	E10	21 CTNIC USB 22-05-03 Thu 2100 (GG)
4270	E10	PCD 2 msgs: 25 RCVEA/89 ACCZF USB 03-05-03 Sat 0000 (GG)
4270	E10	Israeli Intel, PCD2 USB 03-05-03 0033 (PPs)
4270	E10	PCD USB 06-05-03 Tue 0300 (BS4)
4270	E10	PCD 2 msgs: 87 GXBHQ, 39 RCJAS USB 06-05-03 Tue 2200 (JS3)
4270	E10	PCD USB 12-05-03 Mon 0300 (BS4)
4270	E10	PCD 2 msgs: 87 GXBHQ/39 RCJAS USB 16-05-03 Fri 2200 (GG)

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4270    E10    PCD2 USB 16-05-03 Fri 2230 (GG)
4270    E10    PCD2 USB 16-05-03 Fri 2300 (GG)
4270    E10    PCD 2 msgs: 11 ASKUV/59 XBYYB USB 16-05-03 Fri 2330
               (GG)
4270    E10    PCD 15 ZLPRA USB 19-05-03 Mon 2130 (GG)
4270    E10    PCD2 47794 2003-05-26 Mon 2300 2304 4270.0 USB E10 GB
               PCD2 USB 19-05-03 Mon 2300 (GG)
4270    E10    PCD 15 ZLPRA USB 22-05-03 Thu 2130 (GG)
4270    E10    PCD USB 24-05-03 Sat 2100 (GG)
4270    E10    PCD 15 ZLP?A USB 24-05-03 Sat 2130 (GG)
4270    E10    PCD 1 AM 26-05-03 Mon 1930 (AB)
4325    MX     R CW 16-05-03 Fri 2224 (GG)
4325    MX     R CW 19-05-03 Mon 2238 (GG)
4360    E10    Israeli Intel, KPA2 USB 04-05-03  0218 (PPs)
4360    E10    KPA2//5339, 7605 USB 12-05-03 Mon 0315 (BS4)
4360    E10    KPA2 USB 16-05-03 Fri 2215 (GG)
4360    E10    KPA2 USB 16-05-03 Fri 2315 (GG)
4360    E10    KPA2//5339, 7605 USB 21-05-03 Wed 0115 (BS4)
4360    E10    KPA2 USB 22-05-03 Thu 2115 (GG)
4360    E10    KPA2 USB 24-05-03 Sat 2115 (GG)
4418    E10    FDUM AM 28-5-03 2215 ended at 2218 (RiN)
4461    E10    Israeli Intel, just caught 'end of message' AM
               29-04-03  2354 (PPs)
4461    E10    FTJ in tfc USB 06-05-03 Tue 0300 (BS4)
4461    E10    FTJ2 USB 07-05-03 Wed 0100 (BS4)
4461    E10    FTJ 11 AANW? USB 12-05-03 Mon 0300 (BS4)
4461    E10    FTJ gr 27 HTXYE AM 16-05-03 Fri 2130 (AB)
4461    E10    FTJ 2 msgs: 110 VIAVW/25 RMTZB USB 16-05-03 Fri 2200
               (GG)
4461    E10    FTJ2 USB 16-05-03 Fri 2300 (GG)
4461    E10    FTJ 32 ?RKJW (late start) USB 16-05-03 Fri 2330 (GG)
4461    E10    FTJ (??HTXYE) USB 19-05-03 Mon 2130 (GG)
4461    E10    FTJ in tfc USB 21-05-03 Wed 0100 (BS4)
4461    E10    50 HI?DV on repeat USB 22-05-03 Thu 2010 (GG)
4461    E10    YHF 2 msgs: 25 YHXJT/95 YEFBC USB 22-05-03 Thu 2100
               (GG)
4461    E10    FTJ 48 PGZRX USB 22-05-03 Thu 2130 (GG)
4461    E10    YHF 115 QSFAB USB 24-05-03 Sat 2100 (GG)
4461    E10    YHF 41 ?ZNFQ USB 24-05-03 Sat 2130 (GG)
4557.7  MX     Cluster beacon "D", Odessa CW 03-05-03 Sat 2126 (AB)
4557.9  MX     Cluster beacon "S", Arkhangelsk CW 03-05-03 Sat 2126
4558    MX     Cluster beacon "C", Moscow CW 03-05-03 Sat 2126 (AB)
4560    E10    Israeli Intel, just caught.RS2 at the end USB 03-05-03
                 0037 (PPs)
4560    E10    YHF2 USB 07-05-03 Wed 2300 (GG)
4560    E10    YHF2//7918 USB 08-05-03 Thu 0230 (BS4)
4560    E10    YHF 1 AM 09-05-03 Fri 1900 (AB)
4560    E10    YHF2 USB 16-05-03 Fri 2300 (GG)
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4560 E10 YHF2 USB 19-05-03 Mon 2300 (GG)
4560 E10 YHF2//7918 USB 20-05-03 Tue 0230 (BS4)
4560 E10 YHF2 USB 22-05-03 Thu 2100 (GG)
4560 E10 YHF2 USB 22-05-03 Thu 2130 (GG)
4560 E10 YHF2 USB 24-05-03 Sat 2100 (GG)
4560 E10 YHF2 USB 24-05-03 Sat 2130 (GG)
4624 S28 The buzzer sent a message this evening, now finished but its abo AM 25-05-03 Sun 2355 (M3LCR)
4625 S28 Buzzer 03-05-03 Sat 2129 (AB)
4625 S28 Buzzer. Very loud 16-05-03 Fri 2102 (AB)
4625 S28 Busy at buzzying AM 24-05-03 Sat 2122 (GG)
4732 M13B 764/0 CW 10-05-03 Sat 2100 (HFD)
4780 E10 Israeli Intel, MIW2 USB 04-05-03 2317 (PPs)
4780 E10 MIW2//7445 USB 12-05-03 Mon 0315 (BS4)
4780 E10 MIW2 USB 16-05-03 Fri 2315 (GG)
4780 E10 MIW2//7445 USB 21-05-03 Wed 0115 (BS4)
4780 E10 MIW2 USB 22-05-03 Thu 2115 (GG)
4830 G04 in progress AM 08-05-03 2000 (AF)
4880 E10 Israeli Intel, in progress AM 27-04-03 0157 (PPs)
4880 E10 ULX 79 MANGP USB 01-05-03 Thu 0200 (BS4)
4880 E10 ULX 25 CUWO? USB 01-05-03 Thu 0230 (BS4)
4880 E10 ULX in tfc USB 07-05-03 Wed 0200 (BS4)
4880 E10 ULX 25 CUWOO USB 08-05-03 Thu 0230 (BS4)
4880 E10 ULX 76 FIAXJ USB 09-05-03 Fri 0200 (BS4)
4880 E10 ULX 76 FIAXJ USB 15-05-03 Thu 0200 (BS4)
4880 E10 ULX2 USB 16-05-03 Fri 2200 (GG)
4880 E10 ULX2 USB 16-05-03 Fri 2230 (GG)
4880 E10 ULX USB 16-05-03 Fri 2300 (GG)
4880 E10 ULX USB 19-05-03 Mon 2300 (GG)
4880 E10 ULX 25 CUWOO USB 20-05-03 Tue 0230 (BS4)
4880 E10 ULX 76 FIAEJ USB 21-05-03 Wed 0200 (BS4)
4880 E10 ULX 76 FIAEJ USB 22-05-03 Thu 0200 (BS4)
4880 E10 ULX USB 22-05-03 Thu 2100 (GG)
4880 E10 ULX2 USB 22-05-03 Thu 2130 (GG)
4880 E10 ULX2 USB 24-05-03 Sat 2130 (GG)
4880 E10 ULX (120 groups) Intermittent jamming 2320-2325 USB 26-05-03 Mon 2300 (GB)
4905 M01 025-506/35=74990 CW 13-05-03 Tue 2000 (HFD)
5074 M45 074-293/33=69436 +/-10kHz wide, //5474 CW 15-05-03 Thu 1702 (HFD)
5077 M10 555:762-85/37= 05179, 912-34/41= ##### CW 15-05-03 Thu 1700 (HFD)
5085 M13 id 367 CW 22-05-03 2100 (JP)
5091 E10 JSR 2 msgs: 54 ZIYGJ / 59 Z??DU (low S/N) USB 01-05-03 Thu 2230 (GG)
5091 E10 JSR USB 03-05-03 Sat 2330 (BS4)
5091 E10 Israeli Intel, in progress USB 05-05-03 2206 (PPs)
5091 E10 JSR2 USB 09-05-03 Fri 2230 (GG)

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5091    E10    JSR AM 16-05-03 Fri 2130 (AB)
5091    E10    JSR USB 16-05-03 Fri 2200 (GG)
5091    E10    JSR2 USB 16-05-03 Fri 2230 (GG)
5091    E10    JSR USB 19-05-03 Mon 2130 (GG)
5091    E10    JSR 14 UZUTB USB 19-05-03 Mon 2230 (GG)
5091    E10    JSR 51 OOFPJ USB 22-05-03 Thu 2100 (GG)
5091    E10    JSR 47 QNPUP USB 22-05-03 Thu 2130 (GG)
5091    E10    FTJ 17 ?WZDI USB 24-05-03 Sat 2100 (GG)
5091    E10    JSR 47 QNPUP USB 24-05-03 Sat 2130 (GG)
5153.7  MX     Cluster beacon "D", Odessa CW 02-05-03 Fri 2118 (AB)
5153.7  MX     Cluster beacon "D", Odessa CW 16-05-03 Fri 2058 (AB)
5154    MX     Cluster beacon "C", Moscow CW 02-05-03 Fri 2116 (AB)
5154    MX     Cluster beacon "C", Moscow CW 16-05-03 Fri 2058 (AB)
5170    E10    Israeli Intel, VLB2 AM 27-04-03  0149 (PPs)
5170    E10    47603 2003-05-16 Fri 2245 2249 5170.0 USB E10 Gallus
               Galus Galli USB 15-05-03 Thu 0145 (BS4)
5170    E10    VLB2 AM 16-05-03 Fri 2045 (AB)
5170    E10    VLB2 USB 16-05-03 Fri 2345 (GG)
5170    E10    VLB2 USB 19-05-03 Mon 2245 (GG)
5170    E10    VLB2//4015, 6370 USB 21-05-03 Wed 0145 (BS4)
5170    E10    VLB2 USB 22-05-03 Thu 2145 (GG)
5170    E10    VLB2 USB 24-05-03 Sat 2145 (GG)
5230    E10    Israeli Intel, CIO2 AM 27-04-03  0150 (PPs)
5230    E10    CIO2//4165 USB 15-05-03 Thu 0145 (BS4)
5230    E10    CIO2 AM 16-05-03 Fri 2045 (AB)
5230    E10    CIO2 USB 16-05-03 Fri 2245 (GG)
5230    E10    CIO2 USB 16-05-03 Fri 2345 (GG)
5230    E10    CIO2 USB 19-05-03 Mon 2245 (GG)
5230    E10    CIO2//3360, 4165 USB 21-05-03 Wed 0145 (BS4)
5230    E10    CIO2 USB 22-05-03 Thu 2145 (GG)
5230    E10    CIO2 USB 24-05-03 Sat 2145 (GG)
5280    M01    025-218/32=39877 CW 13-05-03 Tue 1800 (HFD)
5339    E10    KPA2//4360,7605 USB 12-05-03 Mon 0315 (BS4)
5339    E10    KPA2 USB 16-05-03 Fri 2215 (GG)
5339    E10    KPA2 USB 16-05-03 Fri 2315 (GG)
5339    E10    KPA2//4360, 7605 USB 21-05-03 Wed 0115 (BS4)
5339    E10    KPA2 USB 22-05-03 Thu 2115 (GG)
5339    E10    KPA2 USB 24-05-03 Sat 2115 (GG)
5358    S11a   971 null msg AM 07-05-03  2100 (GN)
5376    M13    in progress CW 28-05-03 2210 ended at 2212z with
               000, was this '346' (RiN)
5435    E10    Israeli Intel, in progress USB 27-04-03  0151 (PPs)
5435    E10    ART 93 FAVWZ USB 01-05-03 Thu 0100 (BS4)
5435    E10    ART in tfc, 2 msgs USB 01-05-03 Thu 0130 (BS4)
5435    E10    ART in tfc USB 01-05-03 Thu 0200 (BS4)
5435    E10    ART2 USB 02-05-03 Fri 0130 (BS4)
5435    E10    ULX , normal rf for ART!! USB 02-05-03 Fri 0200 (BS4)
5435    E10    ART USB 03-05-03 Sat 2330 (BS4)
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5435    E10    ART 94 ????? too weak to copy USB 05-05-03 Mon 2230
5435    E10    ART 57 H???? too weak to copy USB 05-05-03 Mon 2300
5435    E10    ART 91 IRNYH USB 05-05-03 Mon 2330 (GG)
5435    E10    ART 22 ?CC?? QRM USB 06-05-03 Tue 0000 (GG)
5435    E10    ART signal covered by QRN USB 06-05-03 Tue 0030 (GG)
5435    E10    ART 92 RC(Q?)Z? USB 06-05-03 Tue 0200 (GG)
5435    E10    ART2 USB 07-05-03 Wed 0130 (BS4)
5435    E10    ART and ULX calling and in tfc on same rf USB 07-05-03
                Wed 0200 (BS4)
5435    E10    ART 91 IRNY? USB 08-05-03 Thu 2330 (BS4)
5435    E10    ART USB 09-05-03 Fri 0200 (BS4)
5435    E10    ART 12 KSCUI USB 10-05-03 Sat 2330 (GG)
5435    E10    ART2 USB 15-05-03 Thu 0130 (BS4)
5435    E10    ART 97 XGNKX, ?? ????? USB 15-05-03 Thu 0200 (BS4)
5435    E10    ART 67 ZHRLO USB 16-05-03 Fri 2230 (GG)
5435    E10    ART 57 HNDQL USB 16-05-03 Fri 2300 (GG)
5435    E10    ART 113 VQYUF USB 16-05-03 Fri 2330 (GG)
5435    E10    ART USB 17-05-03 Sat 1730 (GG)
5435    E10    ART 39 TIBQO USB 19-05-03 Mon 2130 (GG)
5435    E10    ART+JSR mixed USB 19-05-03 Mon 2230 (GG)
5435    E10    ART 57 HNDQL USB 19-05-03 Mon 2300 (GG)
5435    E10    ART2 USB 20-05-03 Tue 0130 (BS4)
5435    E10    ART2 USB 21-05-03 Wed 0130 (BS4)
5435    E10    ART 95 SSLRG, ?? ????? USB 21-05-03 Wed 0200 (BS4)
5435    E10    ART 18 DSYDW USB 22-05-03 Thu 0200 (BS4)
5435    E10    ART 39 TIBQD USB 22-05-03 Thu 2130 (GG)
5435    E10    ART 23 YCC?A USB 24-05-03 Sat 0005 (BS4)
5435    E10    ART2 USB 24-05-03 Sat 2100 (GG)
5435    E10    ART 39 TI?QD USB 24-05-03 Sat 2130 (GG)
5435    XM     Wailinest whales USB 11-05-03 Sun 0430 (GH)
5437    E10    ART bad audio USB 03-05-03 Sat 0030 (GG)
5440    M51    CW 29-05-03 Thu 0019 (LC2)
5465    MX     R CW 16-05-03 Fri 2224 (GG)
5465    MX     R CW 19-05-03 Mon 2238 (GG)
5465    MX     R CW 22-05-03 Thu 2125 (GG)
5465    MX     R CW 24-05-03 Sat 2122 (GG)
5465.8  MX     Channel marker "R", Izhevsk CW 08-05-03  2054 (RGA)
5474    M45    074-293/33=69436 //5074 CW 15-05-03 Thu 1702 (HFD)
5746    E03    17303 USB 16-05-03 Fri 2200 (GG)
5746    E03    17303 USB 22-05-03 Thu 2100 (GG)
5750    M29    63/37:26 0800= 725## CW 27-05-03 Tue 0600 (HFD)
5757    M13    378 CW 03-05-03 Sat 2100 (HFD)
5758    M13    id 378 CW 03-05-03 Sat 2100 (AB)
5786    M13    id 411 CW 18-05-03  2030 (JP)
5788    M13    411 CW 03-05-03 Sat 2030 (HFD)
5788    M13    411  (R5) BT 249 23 BT CW 04-05-03 Sun 0430 (MS)
5820    E10    YHF 54 GNABT USB 01-05-03 Thu 2200 (GG)
5820    E10    YHF 36 CPSON//7918 USB 07-05-03 Wed 0130 (BS4)
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5820 E10 YHF2 USB 08-05-03 Thu 0230 (GG)
5820 E10 YHF 1 AM 09-05-03 Fri 1900 (AB)
5820 E10 YHF2 USB 10-05-03 Sat 0200 (GG)
5820 E10 YHF2//7918 USB 15-05-03 Thu 0200 (BS4)
5820 E10 YHF 82 KPCNQ USB 16-05-03 Fri 2200 (GG)
5820 E10 YHF 17 KTODE//7918 USB 21-05-03 Wed 0130 (BS4)
5820 E10 YHF2//7918, 9202 USB 21-05-03 Wed 0200 (BS4)
5820 E10 YHF2//7918, 9202 USB 22-05-03 Thu 0200 (BS4)
5820 E10 YHF2 USB 22-05-03 Thu 2130 (GG)
5820 E10 YHF2 USB 24-05-03 Sat 2100 (GG)
5820 E10 YHF2 USB 24-05-03 Sat 2130 (GG)
5850 M29 vvv CW 27-05-03 Tue 0630 (HFD)
5860 M10 555x3 217x3 42 276x3 32 (R5) CW 04-05-03 Sun 0400 (MS)
5860 M10 555x3 373x3 31 883x3 20 (R5) CW 19-05-03 Mon 0400 (MS)
5860 M10 555x3 373x3 31 883x3 20 (R5) CW 20-05-03 Tue 0400 (MS)
5860 M10 555x3 373x3 31 883x3 20 (R5) CW 25-05-03 Sun 0400 (MS)
5860 M10 555x3 446x3 .. 077x3 .. (R5) (QRN heavy, weak signal-not 100% su CW 26-05-03 Mon 0400 (MS)
6270 E10 ULX 53 TPJNY//7760 USB 01-05-03 Thu 0100 (BS4)
6270 E10 ULX 24 DLEJC//7760 USB 02-05-03 Fri 0100 (BS4)
6270 E10 ULX2 USB 04-05-03 Sun 2200 (BS4)
6270 E10 Israeli Intel, in progress AM 04-05-03 2310 (PPs)
6270 E10 ULX 53 TPJNT//7760 USB 07-05-03 Wed 0100 (BS4)
6270 E10 ULX 111 KBDYE, 11 GXSVP USB 08-05-03 Thu 2300 (BS4)
6270 E10 ULX2 USB 11-05-03 Sun 2200 (BS4)
6270 E10 ULX2 USB 16-05-03 Fri 2200 (GG)
6270 E10 ULX USB 16-05-03 Fri 2300 (GG)
6270 E10 ULX 53 TPJNT//7760 USB 21-05-03 Wed 0100 (BS4)
6270 E10 ULX 120 WLHED USB 25-05-03 Sun 2300 (BS4)
6270 E10 ULX 53 TPJNT//7760 USB 27-05-03 Tue 0100 (BS4)
6370 E10 Israeli Intel, SYN2 USB 03-05-03 0048 (PPs)
6370 E10 VLB2//4015, 5170 USB 15-05-03 Thu 0145 (BS4)
6370 E10 VLB2 AM 16-05-03 Fri 2045 (AB)
6370 E10 VLB2 USB 16-05-03 Fri 2245 (GG)
6370 E10 VLB2 USB 16-05-03 Fri 2345 (GG)
6370 E10 VLB2 USB 19-05-03 Mon 2245 (GG)
6370 E10 VLB2//4015, 5170 USB 21-05-03 Wed 0145 (BS4)
6370 E10 VLB2 USB 22-05-03 Thu 2145 (GG)
6370 E10 VLB2 USB 24-05-03 Sat 2145 (GG)
6498 E10 PCD in tfc USB 02-05-03 Fri 0030 (BS4)
6498 E10 PCD2 USB 16-05-03 Fri 2230 (GG)
6498 E10 PCD USB 17-05-03 Sat 1730 (GG)
6498 E10 PCD 15 ZLPRA USB 19-05-03 Mon 2130 (GG)
6542 XM backward music on the air USB 15-05-03 Thu 0020 (LC2)
6748 G22 186 AM 01-05-03 2200 (RiN)
6758 S17C 73031 AM 10-05-03 Sat 1250 (HFD)
6758 S17C 53033 (?) AM 17-05-03 Sat 1250 (HFD)
6758 S17C 92044 AM 18-05-03 Sun 1250 (HFD)

6758 S17C 58034 AM 24-05-03 Sat 1250 (HFD)
6758 S17C 76043 AM 25-05-03 Sun 1250 (HFD)
6758 S17C 00031 AM 30-05-03 Fri 1250 (HFD)
6780 M10 555x3 826x3 28 372x3 34 (R5) (rpt of 0210z on 7380m) CW 04-05-03 Sun 0410 (MS)
6780 M10 555x3 239x3 24 726x3 22 (R5) CW 18-05-03 Sun 0410 (MS)
6780 M10 555 239 24 726 22 07 24 == 22667 + 23 grps == 07 24 726 80 22 ==65070 ending == 80 22 0 0 0 CW 19-05-03
6780 M10 555x3 239x3 24 726x3 22 (R5) (rpt of 0210z on 7380m) CW 19-05-03 Mon 0410 (MS)
6780 M10 555x3 239x3 24 726x3 22 (R5) CW 20-05-03 Tue 0410 (MS)
6780 M10 555 239 24 726 22 07 24 == 22667 + 23 grps == 07 24 726 80 22 ==65070 ending == 80 22 0 0 0 CW 20-05-03
6780 M10 555 381 30 206 32 381 88 30 == 70671 == 88 30 206 46 32 ==15133 == 46 32 0 0 0 CW 24-05-03 0410 (PB)
6780 M10 (Too weak, heavy QRN) CW 25-05-03 Sun 0410 (MS)
6780 M29 vvv CW 27-05-03 Tue 0600 (HFD)
6801 M10 555x3 571x3 35 275x3 22 049x3 34 435x3 31 555x3 571x3 45x2 35x2 15809 etc CW 12-05-03 1630 (RiN)
6840 E10 EZI 53 FAADD//9130 USB 01-05-03 Thu 0130 (BS4)
6840 E10 EZI 60 SOFIG//9130 USB 01-05-03 Thu 0230 (BS4)
6840 E10 EZI 79 LRYYX USB 01-05-03 Thu 2330 (BS4)
6840 E10 Israeli Intel, in progress USB 01-05-03 2353 (PPs)
6840 E10 EZI2//9130, 11565 USB 02-05-03 Fri 0100 (BS4)
6840 E10 EZI 96 AYKCO//9130 USB 02-05-03 Fri 0130 (BS4)
6840 E10 EZI 79 LRYYX//11565 USB 03-05-03 Sat 2330 (BS4)
6840 E10 EZI 93 GVOLD//11565 USB 04-05-03 Sun 2200 (BS4)
6840 E10 EZI 96 AYKCO//9130 USB 06-05-03 Tue 0130 (BS4)
6840 E10 EZI2//9130, 11565 USB 07-05-03 Wed 0100 (BS4)
6840 E10 EZI 11 XSWHH//9130 USB 07-05-03 Wed 0130 (BS4)
6840 E10 EZI2//9130 AM 08-05-03 Thu 0230 (BS4)
6840 E10 EZI good signal USB 08-05-03 Thu 2200 (GG)
6840 E10 EZI 12 CDITS USB 08-05-03 Thu 2330 (BS4)
6840 E10 EZI 12 CDITS good signal USB 08-05-03 Thu 2330 (GG)
6840 E10 EZI2 USB 09-05-03 Fri 0230 (GG)
6840 E10 EZI 32 NRQYZ USB 09-05-03 Fri 2230 (GG)
6840 E10 In progress, v. faint AM 10-05-03 Sat 0152 (GH)
6840 E10 EZI2 AM 11-05-03 Sun 0100 (GH)
6840 E10 EZI 93 GVOLD//9130 USB 11-05-03 Sun 2200 (BS4)
6840 E10 EZI 105 EOBPL//9130 USB 12-05-03 Mon 0130 (BS4)
6840 E10 EZI 8 IJFBK USB 15-05-03 Thu 0130 (BS4)
6840 E10 EZI 83 NDNYP USB 16-05-03 Fri 2200 (GG)
6840 E10 EZI 12 CDITS USB 16-05-03 Fri 2330 (GG)
6840 E10 EZI USB 19-05-03 Mon 2130 (GG)
6840 E10 EZI ?? ?????, 22 KCXBG//9130 USB 20-05-03 Tue 0130 (BS4)
6840 E10 EZI 32 FTGNY//9130 USB 20-05-03 Tue 0230 (BS4)
6840 E10 EZI group 32 FTGNY //9129.5 //11565 AM 20-05-03 Tue

		0231 (GH)
6840	E10	EZI 78 SMYIO//9130 USB 21-05-03 Wed 0130 (BS4)
6840	E10	EZI 48 CZZZF USB 22-05-03 Thu 2130 (GG)
6840	E10	EZI//9130 USB 22-05-03 Thu 2200 (BS4)
6840	E10	EZI2//11565 USB 23-05-03 Fri 0100 (BS4)
6840	E10	EZI 15 JGYLR USB 24-05-03 Sat 2130 (GG)
6840	E10	EZI 15 JGYLR//9130 USB 25-05-03 Sun 2130 (BS4)
6840	E10	EZI 83 NDNYP//9130 USB 25-05-03 Sun 2200 (BS4)
6840	E10	EZI2//11565, 9130 USB 27-05-03 Tue 0100 (BS4)
6840	E10	EZI 83 CXEMZ, 70 ZFUOI//9130 USB 27-05-03 Tue 0130 (BS4)
6870	X06	Strong signal. The 6 tones went till 22.00 UTC, then the signal AM 08-05-03 Thu 2145 (JS3)
6877	G06	in progress. Ends with 563 563 47 47 00000 AM 08-05-03 1830 (RiN)
6880	M29	vvv CW 27-05-03 Tue 0630 (HFD)
6912	E10	Israeli Intel, VLB2 AM 03-05-03 0050 (PPs)
6912	E10	SYN2 USB 15-05-03 Thu 0145 (BS4)
6912	E10	SYN2 AM 16-05-03 Fri 2045 (AB)
6912	E10	SYN2 USB 16-05-03 Fri 2245 (GG)
6912	E10	SYN2 USB 16-05-03 Fri 2345 (GG)
6912	E10	SYN2 USB 19-05-03 Mon 2245 (GG)
6912	E10	SYN2 AM 20-05-03 Tue 0146 (GH)
6912	E10	SYN2 AM 20-05-03 Tue 0246 (GH)
6912	E10	SYN2//3640 USB 21-05-03 Wed 0145 (BS4)
6912	E10	SYN2 USB 22-05-03 Thu 2145 (GG)
6912	E10	SYN2 USB 24-05-03 Sat 2145 (GG)
6959	E03	LP. Id 31209 USB 03-05-03 Sat 2100 (AB)
6959	E03	LP. Id 68414 USB 09-05-03 Fri 1900 (AB)
6959	E03	LP. Id 49935 USB 16-05-03 Fri 2100 (AB)
6959	E03	17303 USB 16-05-03 Fri 2200 (GG)
6959	E03	in progress USB 19-05-03 Mon 2237 (GG)
6959	E03	17303 USB 22-05-03 Thu 2100 (GG)
6959	E03	72284 USB 24-05-03 Sat 2100 (GG)
6959	E03	LP. Id 14241 USB 26-05-03 Mon 2200 (AB)
6959	E03	ID tune was heard on same frequency about 2150, weaker signal, p USB 26-05-03 Mon 2200 (UK)
6970	E05	Counting Station. Id 111 USB 03-05-03 Sat 2100 (AB)
6970	E05	USB 17-05-03 Sat 2100 (PD2)
6970	E05	Counting Station in progress USB 17-05-03 Sat 2113
6985	E10	Israeli Intel, in progress USB 04-05-03 2314 (PPs)
6986	E10	ART 57 HNDQL USB 16-05-03 Fri 2300 (GG)
6986	E10	ART 57 HNDQL USB 19-05-03 Mon 2300 (GG)
7038.7	MX	Cluster beacon "D", Odessa CW 02-05-03 Fri 2118 (AB)
7039	MX	Cluster beacon "C", Moscow CW 02-05-03 Fri 2116 (AB)
7358	E10	YHF 115 QSFAB USB 24-05-03 Sat 2100 (GG)
7380	M10	555x3 826x3 28 372x3 34 (R5) CW 04-05-03 Sun 0210 (MS)
7380	M10	555x3 664x3 31 884x3 18 70x2 31x2 - - 10670 etc CW

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                12-05-03  1410 (RiN)
7380    M10     555x3 239x3 24 726x3 22 (R5) CW 18-05-03 Sun 0210 (MS)
7380    M10     555x3 239x3 24 726x3 22 (R5) CW 19-05-03 Mon 0210 (MS)
7380    M10     555x3 381x3 (Too weak, heavy QRN) CW 25-05-03 Sun 0210
                 (MS)
7380    M10     555x3 381x3 40 207x3 38 (R5) (QRN heavy, weak
                signal-not 100% su CW 26-05-03 Mon 0210 (MS)
7445    E10     MIW2//4780 USB 12-05-03 Mon 0315 (BS4)
7445    E10     MIW2 USB 16-05-03 Fri 2215 (GG)
7445    E10     MIW2 USB 16-05-03 Fri 2315 (GG)
7445    E10     MIW2//4780 USB 21-05-03 Wed 0115 (BS4)
7445    E10     MIW2 USB 22-05-03 Thu 2115 (GG)
7445    E10     MIW2 USB 24-05-03 Sat 2115 (GG)
7517    M13     id 254 CW 22-05-03  2100 (JP)
7583    M87     Msg. 5FGs cut numbers CW 25-05-03  1535 (IB)
7605    E10     KPA2 AM 06-05-03 Tue 0016 (GH)
7605    E10     KPA2 AM 06-05-03 Tue 0115 (GH)
7605    E10     KPA2 AM 11-05-03 Sun 0115 (GH)
7605    E10     KPA2//4360, 5339 USB 12-05-03 Mon 0315 (BS4)
7605    E10     KPA2 USB 16-05-03 Fri 2215 (GG)
7605    E10     KPA2 USB 16-05-03 Fri 2315 (GG)
7605    E10     KPA2 AM 20-05-03 Tue 0116 (GH)
7605    E10     KPA2 AM 20-05-03 Tue 0216 (GH)
7605    E10     KPA2//4360, 5339 USB 21-05-03 Wed 0115 (BS4)
7605    E10     KPA2 USB 22-05-03 Thu 2115 (GG)
7605    E10     KPA2 USB 24-05-03 Sat 2115 (GG)
7605    E10     KPA2 AM 29-05-03  0120 (RP3)
7682    X06     Mazielka calls followed by CW callup to TID (?) and
                MFSK tfc MFSK 13-05-03  1918 (JS3)
7739    E07     701:0 AM 14-05-03 Wed 0510 (HFD)
7739    E07     701:0 AM 16-05-03 Fri 0510 (HFD)
7760    E10     ULX 53 TPJNY//6270 USB 01-05-03 Thu 0100 (BS4)
7760    E10     ULX 24 DLEJC//6270 USB 02-05-03 Fri 0100 (BS4)
7760    E10     ULX 53 TPJNT//6270 USB 07-05-03 Wed 0100 (BS4)
7760    E10     ULX 53 5LGs USB 07-05-03  0109 (RP3)
7760    E10     ULX group 5_; weak AM 11-05-03 Sun 0100 (GH)
7760    E10     ULX 53 TPJNT//6270 USB 21-05-03 Wed 0100 (BS4)
7760    E10     ULX 53 TPJNT USB 23-05-03 Fri 0100 (BS4)
7760    E10     ULX 53 TPJNT//6270 USB 27-05-03 Tue 0100 (BS4)
7918    E10     Numbers station (English) USB 24-05-03  1943 (ML4)
7918    E10     YHF 36 CPSON, msg first sent this sked 04 29 USB
                01-05-03 Thu 0130 (BS4)
7918    E10     YHF2 USB 01-05-03 Thu 0230 (BS4)
7918    E10     YHF 36 CPSON USB 02-05-03 Fri 0130 (BS4)
7918    E10     YHF2//9202 USB 02-05-03 Fri 0200 (BS4)
7918    E10     YHF2 USB 03-05-03 Sat 0230 (GG)
7918    E10     YHF2 USB 06-05-03 Tue 0230 (GG)
7918    E10     YHF 36 CPSON//5820 USB 07-05-03 Wed 0130 (BS4)
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7918	E10	YHF2 USB 07-05-03 Wed 0200 (BS4)
7918	E10	YHF2//4560 USB 08-05-03 Thu 0230 (BS4)
7918	E10	YHF2 USB 08-05-03 Thu 0230 (GG)
7918	E10	YHF2 USB 09-05-03 Fri 0200 (BS4)
7918	E10	YHF2 USB 10-05-03 Sat 0232 (GG)
7918	E10	YHF 34 NHZJZ USB 15-05-03 Thu 0130 (BS4)
7918	E10	YHF2//5820 USB 15-05-03 Thu 0200 (BS4)
7918	E10	YHF 17 KTODE USB 20-05-03 Tue 0130 (BS4)
7918	E10	YHF group 17 KT(O|A)DE AM 20-05-03 Tue 0131 (GH)
7918	E10	YHF2 AM 20-05-03 Tue 0201 (GH)
7918	E10	YHF2//4560 USB 20-05-03 Tue 0230 (BS4)
7918	E10	YHF2 AM 20-05-03 Tue 0231 (GH)
7918	E10	YHF 17 KTODE//5820 USB 21-05-03 Wed 0130 (BS4)
7918	E10	YHF2//5820, 9202 USB 21-05-03 Wed 0200 (BS4)
7918	E10	YHF2//5820, 9202 USB 22-05-03 Thu 0200 (BS4)
7940	M87	684 + msg CW 19-05-03 0000 (IB)
8010	M08a	ID 19741 26932 02022 (rpt of 0700z on 9238m) CW 23-05-03 Fri 0800 (MS)
8010	M08a	ID 72412 26936 02026 CW 30-05-03 Fri 0800 (MS)
8052		5FGs tfc cut numbers (ANDUWRIGMT) CW 1100
8086	X06	Dept of State Moscow. Mazielka call 19-05-03 Mon 2007
8096	M08a	ID 13732 13841 28383 CW 26-05-03 Mon 0500 (MS)
8103	M22	4XZ. Israel navy Haifa. VVV marker CW 22-05-03 1919
8103	M22	4XZ. Israeli navy Haifa. VVV marker CW 24-05-03 1615
8110	E05	Counting Station. Id 111 USB 03-05-03 Sat 2100 (AB)
8110	E05	111 AM 13-05-03 Tue 2100 (HFD)
8110	E05	Counting Station in progress USB 17-05-03 Sat 2113
8135	S06	in progress. Ends with 376 54 00000 AM 21-05-03 2026
8136	M08a	ID 89403 48322 3428. (Another M8a on same freq. Blocking each ot CW 18-05-03 Sun 1000 (MS)
8136	M08a	(Late start, missed first callup) ID ----- 94111 13841 CW 25-05-03 Sun 1000 (MS)
8136	M08a	ID 17561 55723 77161 CW 31-05-03 Sat 1100 (MS)
8137	M08a	ID 89403 (in progress - stopped after 7 minutes into msg at 1110 CW 18-05-03 Sun 1100 (MS)
8190	M10	555x3 947x3 34 741x3 21 CW 12-05-03 1720 (RiN)
8190	M10	555:947-69/34= 21569, 741-##/21= #####, //12295 CW 15-05-03 Thu 1720 (HFD)
8494.7	MX	Cluster beacon "D", Odessa CW 02-05-03 Fri 2118 (AB)
8494.7	MX	Cluster beacon "D" CW 22-05-03 1905 (WP3)
8495	MX	Cluster beacon "C", Moscow CW 02-05-03 Fri 2116 (AB)
8495	MX	Cluster beacon "C" CW 22-05-03 1905 (WP3)
8497	M13	284 CW 02-05-03 Fri 2000 (HFD)
8497	M13	284 CW 03-05-03 Sat 2000 (HFD)
8497	M13	284 CW 16-05-03 Fri 2000 (HFD)
8544	M03	182/00 = = 000 CW 20-05-03 0829 (LC2)
8805	E10	PCD USB 17-05-03 Sat 1730 (GG)
8855	M87	Msg. 5FGs cut numbers CW 25-05-03 0123 (IB)

8932 M13 272(R5) BT 268 21 BT CW 20-05-03 Tue 2100 (MS)
9042 E07 701:0 AM 14-05-03 Wed 0530 (HFD)
9042 E07 701:0 AM 16-05-03 Fri 0530 (HFD)
9060.5 M08a _____ AAGDA AMWAA (_____ 11831 19511) CW 11-05-03 Sun 0504 (GH)
9062 M08a ID 79593 46863 31433 CW 04-05-03 Sun 0700 (MS)
9063 V02a ID 44282 98803 52233 (YL/SS) AM 23-05-03 Fri 0700 (MS)
9073 M42 Russian Intel regional relay. Msg to 162 RTTY 31-05-03 1605 (LDO)
9129.5 E10 In prog,:39 rpt grp 32 FTGNY //6840 //11565 AM 20-05-03 Tue 0237 (GH)
9130 E10 YHF2 USB 01-05-03 Thu 0100 (BS4)
9130 E10 EZI 53 FAADD//6840 USB 01-05-03 Thu 0130 (BS4)
9130 E10 EZI2 USB 01-05-03 Thu 0200 (BS4)
9130 E10 EZI 60 SOFIG//6840 USB 01-05-03 Thu 0230 (BS4)
9130 E10 EZI2//6840, 11565 USB 02-05-03 Fri 0100 (BS4)
9130 E10 EZI 96 AYKCO//6840 USB 02-05-03 Fri 0130 (BS4)
9130 E10 EZI2//11565 USB 02-05-03 Fri 0200 (BS4)
9130 E10 EZI 96 AYKCO//6840 USB 06-05-03 Tue 0130 (BS4)
9130 E10 EZI 48 OHKKA USB 06-05-03 Tue 0300 (GG)
9130 E10 EZI 48 OOKKA USB 06-05-03 Tue 0300 (BS4)
9130 E10 EZI2//6840, 11565 USB 07-05-03 Wed 0100 (BS4)
9130 E10 EZI 11 XSWHH//6840 USB 07-05-03 Wed 0130 (BS4)
9130 E10 EZI2 USB 07-05-03 Wed 0200 (BS4)
9130 E10 EZI2//6840 USB 08-05-03 Thu 0230 (BS4)
9130 E10 EZI USB 08-05-03 Thu 2130 (BS4)
9130 E10 EZI2 USB 08-05-03 Thu 2230 (GG)
9130 E10 EZI 12 CDITS USB 08-05-03 Thu 2330 (GG)
9130 E10 EZI2 USB 09-05-03 Fri 0200 (GG)
9130 E10 EZI2//11565 USB 09-05-03 Fri 0200 (BS4)
9130 E10 EZI2 USB 09-05-03 Fri 0230 (GG)
9130 E10 EZI USB 09-05-03 Fri 0300 (GG)
9130 E10 EZI2 AM 10-05-03 Sat 0200 (GH)
9130 E10 EZI 48 OOKKA USB 10-05-03 Sat 0300 (BS4)
9130 E10 EZI 105 EOBPL USB 11-05-03 Sun 2130 (BS4)
9130 E10 EZI 93 GVOLD//6840 USB 11-05-03 Sun 2200 (BS4)
9130 E10 EZI 105 EOBPL//6840 USB 12-05-03 Mon 0130 (BS4)
9130 E10 EZI 48 OOKKA USB 12-05-03 Mon 0300 (BS4)
9130 E10 EZI2//11565 USB 15-05-03 Thu 0200 (BS4)
9130 E10 EZI 83 NDNYP USB 16-05-03 Fri 2200 (GG)
9130 E10 EZI USB 16-05-03 Fri 2230 (GG)
9130 E10 EZI 12 CDITS USB 16-05-03 Fri 2330 (GG)
9130 E10 12 CDITS USB 17-05-03 Sat 1730 (GG)
9130 E10 EZI USB 19-05-03 Mon 2130 (GG)
9130 E10 EZI 73 MQKIF USB 19-05-03 Mon 2230 (GG)
9130 E10 EZI ?? ?????, 22 KCXBG//6840 USB 20-05-03 Tue 0130 (BS4)
9130 E10 EZI into tfc AM 20-05-03 Tue 0131 (GH)

9130	E10	EZI2 //11565 AM 20-05-03 Tue 0201 (GH)
9130	E10	EZI 32 FTGNY//6840 AM 20-05-03 Tue 0230 (BS4)
9130	E10	EZI 78 SMYIO//6840 USB 21-05-03 Wed 0130 (BS4)
9130	E10	EZI2//11565 USB 21-05-03 Wed 0200 (BS4)
9130	E10	EZI2//11565 USB 22-05-03 Thu 0200 (BS4)
9130	E10	in progress USB 22-05-03 Thu 2010 (GG)
9130	E10	EZI 48 CZZZF USB 22-05-03 Thu 2130 (GG)
9130	E10	EZI//6840 USB 22-05-03 Thu 2200 (BS4)
9130	E10	EZI 15 JGYLR USB 24-05-03 Sat 2130 (GG)
9130	E10	EZI 15 JGYLR//6840 USB 25-05-03 Sun 2130 (BS4)
9130	E10	EZI 83 NDNYP//6840 USB 25-05-03 Sun 2200 (BS4)
9130	E10	EZI2//11565, 6840 USB 27-05-03 Tue 0100 (BS4)
9130	E10	EZI 83 CXEMZ, 70 ZFUOI//6840 USB 27-05-03 Tue 0130 (BS4)
9152	M08a	ID 17561 55723 77161 (rpt of 1100z on 8136m) CW 31-05-03 Sat 1200 (MS)
9153	M08a	ID 87741 64991 76612 CW 19-05-03 Mon 1000 (MS)
9153	M08a	ID 28382 76613 16952 CW 23-05-03 Fri 1000 (MS)
9153	M08a	ID 68322 94113 13846 CW 30-05-03 Fri 1000 (MS)
9202	E10	YHF2//7918 USB 02-05-03 Fri 0200 (BS4)
9202	E10	YHF2//5820, 7918 USB 21-05-03 Wed 0200 (BS4)
9202	E10	YHF2//5820, 7918 USB 22-05-03 Thu 0200 (BS4)
9230	M08a	ID 28383 94111 13841 (rpt of 1000z sked on 8136m) CW 25-05-03 Sun 1100 (MS)
9238	M08a	ID 79283 76611 02403 CW 18-05-03 Sun 1100 (MS)
9238	M08a	ID 19741 26932 02022 CW 23-05-03 Fri 0700 (MS)
9238	M08a	ID 88921 06041 80231 CW 26-05-03 Mon 0700 (MS)
9238	M08a	ID 18091 71992 61072 (rpt of 0800z on 10446m) CW 30-05-03 Fri 0900 (MS)
9251	E03	LP. Id 68414 USB 09-05-03 Fri 1900 (AB)
9251	E03	17303 USB 16-05-03 Fri 2200 (GG)
9251	E03	in progress USB 19-05-03 Mon 2142 (GG)
9251	E03	17303 USB 22-05-03 Thu 2100 (GG)
9251	E03	72284 USB 24-05-03 Sat 2100 (GG)
9260	V02a	Sounds like V2/V2a carrier; on known V2/V2a freq; no broadcast. AM 14-05-03 Wed 0227 (BM)
9323	M08a	(in progress, no calls, late start - stops transmission in msg) CW 20-05-03 Tue 1000 (MS)
9323	M08a	ID 03422 67653 69193 CW 25-05-03 Sun 0900 (MS)
9323	M08a	ID 68321 75623 13845 CW 29-05-03 Thu 1000 (MS)
9330	M08a	ID 45143 28021 41461 CW 21-05-03 Wed 1200 (MS)
9330	M08a	ID 66082 28023 41463 CW 23-05-03 Fri 1200 (MS)
9330	M08a	ID 18841 30512 18912 CW 26-05-03 Mon 1200 (MS)
9330	M08a	ID 58952 30516 18916 CW 30-05-03 Fri 1200 (MS)
9950	E11	183/00 AM 13-05-03 1300 (GN)
9965	M13	id 865 CW 23-05-03 1700 (JP)
10000	M22	CW Marker 4xz, with some traffic...nr 259 dg v ati0i 0fco ju gr CW 25-05-03 Sun 2312 (M3LCR)

10125 M08a QRM, from another M8a on 10126kHz CW 13-05-03 Tue 0304 (BM)
10125 M08a ID 44253 52381 89203 CW 24-05-03 Sat 0300 (MS)
10126 M08a ID 14421 ----- ----- (in progress) CW 03-05-03 Sat
10126 M08a QRM from another M8a on 10125kHz CW 13-05-03 Tue 0304 (BM)
10126 M08a ID 87741 64991 76612 (rpt of 1000z on 9153m) CW 19-05-03 Mon 1100 (MS)
10126 M08a ID 28382 76613 16952 (rpt of 1000z on 9153m) CW 23-05-03 Fri 1100 (MS)
10126 M08a (Transmitter problems. Signal garbled. Stops broadcasting at 090 CW 24-05-03 Sat 0900 (MS)
10126 M08a (in progress) CW 29-05-03 Thu 0900 (MS)
10126 M08a ID 68322 94113 13846 (rpt of 1000z on 9153m) CW 30-05-03 Fri 1100 (MS)
10235 M08a ID 99193 04183 18893 CW 04-05-03 Sun 0400 (MS)
10235 M08a (In progress, uncopiable, weak) CW 25-05-03 Sun 0400
10236 M08a (Late start, missed callups) CW 25-05-03 Sun 0800 (MS)
10245 M13 id 261 CW 05-05-03 Mon 2000 (AB)
10246 M13 261 CW 19-05-03 Mon 1900 (HFD)
10246 M13 261 CW 19-05-03 Mon 2000 (HFD)
10248 M16 8BY. DGSE. vvv 8by 017/542/775 CW 30-05-03 2051 (DW)
10344 M08a ID 28282 99193 77032 CW 22-05-03 Thu 0300 (MS)
10345 M08a ID 28381 75622 16951 CW 22-05-03 Thu 1100 (MS)
10346 M08a (AM cxr up, possible CW underneath. Possibly broadcasting w/V2a CW 29-05-03 Thu 1100 (MS)
10346 M08a ID 69831 63341 01553 CW 31-05-03 Sat 1100 (MS)
10426 E03 in progress USB 19-05-03 Mon 2237 (GG)
10426 E03 LP. Id 14241 USB 26-05-03 Mon 2200 (AB)
10426 E03 96238 (15x) 63733 76822 04685 00385 39922 39920 USB 31-05-03 Sat 2000 (DM)
10426 E03 96238 (15x) 63733 76822 04685 00385 39922 39920 USB 31-05-03 Sat 2000 (DM)
10446 M08a ID 87742 64992 40353 CW 20-05-03 Tue 1100 (MS)
10446 M08a ID 18091 71992 61072 CW 30-05-03 Fri 0800 (MS)
10446 V02a in prog. AM 12-05-03 Mon 0333 (BM)
10479 M42 Dept of State comms Moscow. Msg on link 00098 RTTY 29-05-03 1722 (LDO)
10566 M08a ID 45143 28021 41461 (rpt of 1200z on 9330m) CW 21-05-03 Wed 1300 (MS)
10566 M08a ID 66082 28023 41463 (rpt of 1200z on 9330m) CW 23-05-03 Fri 1300 (MS)
10566 M08a ID 18841 30512 18912 (rpt of 1200z on 9330m) CW 26-05-03 Mon 1300 (MS)
10648 E10 YHF2 USB 11-05-03 Sun 2030 (BS4)
10648 E10 YHF2 USB 25-05-03 Sun 2030 (BS4)
10715 M08a ID 83383 85741 36911 CW 21-05-03 Wed 1100 (MS)
10858 M08a ID 45142 96463 47963 CW 20-05-03 Tue 1200 (MS)

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10858    M08a   ID 66081 28022 41462 CW 22-05-03 Thu 1200 (MS)
10858    M08a   (Late start - missed calls) CW 24-05-03 Sat 1200 (MS)
10858    M08a   ID 58951 30515 18915 CW 29-05-03 Thu 1200 (MS)
10858    M08a   ID 58953 67911 35471 CW 31-05-03 Sat 1200 (MS)
10871.7  MX     Cluster beacon "D" CW 30-05-03  1439 (DW)
10872    MX     Cluster beacon "C" CW 30-05-03  1439 (DW)
10922    M10    555x3 664x3 31 884x3 18 70x2 31x2 - - 10670 etc CW
                12-05-03  1410 (RiN)
11060    E06    504 null msg AM 08-05-03  2100 (JS3)
11110    M23    555 CW 28-04-03  1616 (McB)
11116    E11    232/00 AM 02-05-03 Fri 0800 (HFD)
11116    E11    00232 barely readable USB 09-05-03 Fri 0800 (GG)
11140    E06    729 00000 AM 22-05-03  2100 (RiN)
11157    XP     msg AM 16-05-03 Fri 0600 (HFD)
11305    M13    in progress (tentative) CW 05-05-03 Mon 2011 (AB)
11306    M13    517 CW 19-05-03 Mon 1900 (HFD)
11306    M13    517 CW 19-05-03 Mon 2000 (HFD)
11307    M13    517 (rptd) 229 20 = 16782 51193..  (ending) 47005
                32817 46 CW 20-05-03  1909 (RGA)
11307    M13    517 (R5) BT 229 20 BT CW 20-05-03 Tue 2000 (MS)
11485    G06    308 null msg AM 05-05-03  1900 (GN)
11545    E03    LP. Id 68414 USB 09-05-03 Fri 1900 (AB)
11545    E03    LP. Id 49935 USB 16-05-03 Fri 2100 (AB)
11545    E03    in progress USB 19-05-03 Mon 2142 (GG)
11545    E03    in progress USB 19-05-03 Mon 2237 (GG)
11545    E03    72284 USB 24-05-03 Sat 2100 (GG)
11545    E03    LP. Id 14241 USB 26-05-03 Mon 2200 (AB)
11564    M08a   TMDDA WNDGN AMNGA (09331 52382 19281) CW 27-05-03 Tue
                0400 (GH)
11565    E10    EZI2//6840, 9130 USB 02-05-03 Fri 0100 (BS4)
11565    E10    EZI2//9130 USB 02-05-03 Fri 0200 (BS4)
11565    E10    EZI 79 LRYXX//6840 USB 03-05-03 Sat 2330 (BS4)
11565    E10    AM 04-05-03 Sun 0200 (DD)
11565    E10    EZI 93 GVOLD//6840 USB 04-05-03 Sun 2200 (BS4)
11565    E10    EZI2 USB 06-05-03 Tue 0500 (GG)
11565    E10    EZI2//6840, 9130 USB 07-05-03 Wed 0100 (BS4)
11565    E10    EZI2//9130 USB 09-05-03 Fri 0200 (BS4)
11565    E10    EZI 93 GVOLD//13533 USB 11-05-03 Sun 2000 (BS4)
11565    E10    EZI2//9130 USB 15-05-03 Thu 0200 (BS4)
11565    E10    EZI 83 NDNYP USB 16-05-03 Fri 2200 (GG)
11565    E10    EZI USB 16-05-03 Fri 2230 (GG)
11565    E10    EZI 12 CDITS USB 16-05-03 Fri 2330 (GG)
11565    E10    12 CDITS USB 17-05-03 Sat 1730 (GG)
11565    E10    EZI 73 MQKIF USB 19-05-03 Mon 2230 (GG)
11565    E10    EZI2 //9130 AM 20-05-03 Tue 0201 (GH)
11565    E10    EZI group 32 FTGNY //9129.5 //6840 AM 20-05-03 Tue
                0231 (GH)
11565    E10    EZI2//9130 USB 21-05-03 Wed 0200 (BS4)
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11565    E10    EZI2//9130 USB 22-05-03 Thu 0200 (BS4)
11565    E10    in progress USB 22-05-03 Thu 2010 (GG)
11565    E10    EZI2//6840 USB 23-05-03 Fri 0100 (BS4)
11565    E10    EZI1 USB 24-05-03 Sat 2100 (GG)
11565    E10    EZI 15 JGYLR USB 24-05-03 Sat 2130 (GG)
11565    E10    EZI 83 NDNYP//13533 USB 25-05-03 Sun 2000 (BS4)
11565    E10    EZI2//9130, 6840 USB 27-05-03 Tue 0100 (BS4)
11565    M08a   In prog CW 29-05-03 Thu 0413 (BM)
12093    M08a   ID 45142 96463 47963 (rpt of 1200z on 10858m) CW
                20-05-03 Tue 1300 (MS)
12093    M08a   ID 66081 28022 41462 (rpt of 1200z on 10858M) CW
                22-05-03 Thu 1300 (MS)
12093    M08a   ID 66083 30511 18911 (rpt of 1200z sked on 10858m) CW
                24-05-03 Sat 1300 (MS)
12093    M08a   ID 58953 67911 35471 (rpt of 1200z on 10858m) CW
                31-05-03 Sat 1300 (MS)
12119    M08a   Under RTTY, msg 1 TWR_N; gone when checked @:15 CW
                06-05-03 Tue 0103 (GH)
12127    E07    941 941 941 321 + 94 groups AM 07-05-03  1740 (RiN)
12180    V02a   A _____ _____ 59373 AM 14-05-03 Wed 0223 (BM)
12215    V02a   In prog, _____ 93711 98161 AM 20-05-03 Tue 0204 (GH)
12295    M10    555x3 947x3 34 741x3 21 CW 12-05-03  1720 (RiN)
12295    M10    555:947-69/34= 21569, 741-##/21= #####, //8190 CW
                15-05-03 Thu 1720 (HFD)
12457    XP     msg AM 16-05-03 Fri 0620 (HFD)
12604    E03    //14488 id 96238 USB 22-05-03 Thu 0018 (LC2)
12714    M13    id 714 CW 23-05-03  2000 (JP)
12834    M13    253 CW 01-05-03 Thu 2000 (HFD)
12834    M13    253 CW 02-05-03 Fri 2000 (HFD)
12834    M13    253 CW 15-05-03 Thu 2000 (HFD)
12834    M13    253 CW 16-05-03 Fri 2000 (HFD)
12984    M22    4XZ. Israeli navy Haifa. VVV marker CW 25-05-03  1622
13374    XP     msg AM 02-05-03 Fri 2050 (HFD)
13374    XP     Sched. 963. Msg AM 16-05-03 Fri 2050 (AB)
13415    M13    261 CW 18-05-03 Sun 1900 (HFD)
13415    M13    261 (R5) BT 268 21 BT CW 18-05-03 Sun 2000 (MS)
13415    M13    261 CW 18-05-03 Sun 2000 (HFD)
13417    XP     0-msg AM 15-05-03 Thu 2020 (HFD)
13436    V02a   Atencion 01101 83242 12042 AM 06-05-03 Tue 0100 (GH)
13436    V02a   In prog, _____ 93712 98162 AM 27-05-03 Tue 0106 (GH)
13472    E07    941 941 941 321 + 94 groups AM 07-05-03  1720 (RiN)
13472    E07    941:0 AM 14-05-03 Wed 1720 (HFD)
13472    E07    941:1-321/94=02057 AM 21-05-03 Wed 1720 (HFD)
13528    MX     Cluster beacon "C" CW 20-05-03  1838 (RGA)
13528    MX     Cluster beacon "C" CW 01-06-03 Sun 0840 (AB)
13533    E10    EZI 93 GVOLD//11565 USB 11-05-03 Sun 2000 (BS4)
13533    E10    EZI 12 CZDHC USB 11-05-03 Sun 2100 (BS4)
13533    E10    EZI1 USB 24-05-03 Sat 2100 (GG)
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13533    E10    EZI 83 NDNYP//11565 USB 25-05-03 Sun 2000 (BS4)
13533    E10    EZI 66 IAQK? USB 25-05-03 Sun 2100 (BS4)
13872    E07    682:0 AM 21-05-03 Wed 2020 (HFD)
14487    E03    LP. Id 06280 USB 09-05-03 Fri 1200 (AB)
14487    E03    LP. Id 31209 USB 09-05-03 Fri 1300 (AB)
14487    E03    LP. Id 06280 USB 09-05-03 Fri 1400 (AB)
14580    S06    729 00000 AM 07-05-03  0700 (RiN)
14580    S06    729 00000 AM 21-05-03  0700 (RiN)
14598    XP     0-msg AM 13-05-03 Tue 2000 (HFD)
14598    XP     0-msg AM 15-05-03 Thu 2000 (HFD)
14620    V07    635/0 AM 29-05-03 Thu 0600 (HFD)
14621    V07    635 000 AM 15-05-03  0600 (PB)
14693    XP     msg AM 02-05-03 Fri 2030 (HFD)
14693    XP     Sched. 963. Msg AM 16-05-03 Fri 2030 (AB)
14780    E06    AM 11-05-03  1400 (GN)
14780    E06    658:0 AM 24-05-03 Sat 1400 (HFD)
14882    M42    Dept of State comms Moscow. Tfc to DKR on link 70060
                MFSK-32 31-05-03  0730 (LDO)
14929    M16    8BY. DGSE Ste Asisse  429/208/533/122/661 CW   2130
14929    M16    8BY. DGSE. VVV 8BY 872/612/906/449/195/697 CW   2230
14931    M16    8BY.DGSE. vvv 8BY 697/317/686/433/221/542 CW 28-05-03
                 0950 (DW)
14942    E07    941 941 941 321 + 94 groups AM 07-05-03  1700 (RiN)
14942    E07    941:0 AM 14-05-03 Wed 1700 (HFD)
14942    E07    941:1-321/94=02057 AM 21-05-03 Wed 1700 (HFD)
15682    E03    LP. Id 06280 USB 04-05-03 Sun 1200 (AB)
15682    E03    LP. Id 06280 USB 09-05-03 Fri 1200 (AB)
15682    E03    LP. Id 31209 USB 09-05-03 Fri 1300 (AB)
15682    E03    LP. Id 06280 USB 09-05-03 Fri 1400 (AB)
15883    M87    684 + msg CW 19-05-03  0000 (IB)
15912    XP     msg AM 02-05-03 Fri 2010 (HFD)
16084    E03    LP. Id 06280 USB 04-05-03 Sun 1200 (AB)
16084    E03    LP. Id 06280 USB 09-05-03 Fri 1200 (AB)
16084    E03    LP. Id 31209 USB 09-05-03 Fri 1300 (AB)
16084    E03    LP. Id 06280 USB 09-05-03 Fri 1400 (AB)
16331.7  MX     Cluster beacon "D" CW 13-05-03  1935 (DW)
16331.7  MX     D Odessa CW 23-05-03 Fri 0012 (LC2)
16331.7  MX     Cluster beacon "D" CW 27-05-03  1743 (RGA)
16331.9  MX     Cluster beacon "S" CW 27-05-03  1744 (RGA)
16332    MX     Cluster beacon "C" CW 13-05-03  1935 (DW)
16332    MX     C Moscou CW 23-05-03 Fri 0012 (LC2)
16332    MX     Cluster beacon "C" CW 27-05-03  1745 (RGA)
17410    E10    In progress AM 09-05-03 Fri 0914 (AB)
18864    E04    Cherry Ripe. Very weak USB 09-05-03 Fri 1302 (AB)
19715    E10    AM 27-05-03 Tue 0014 (LC2)
20047.7  MX     Cluster beacon "D" CW 01-06-03 Sun 0840 (AB)
20048    MX     Cluster beacon "C" CW 01-06-03 Sun 0840 (AB)
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GH	Greg Hajek, ILL, USA
GN	Gert, Netherlands
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RiN	Richard Ness, UK
RP3	Ron, MA, USA
UK	UK
WP3	Wolgang Palmberger

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